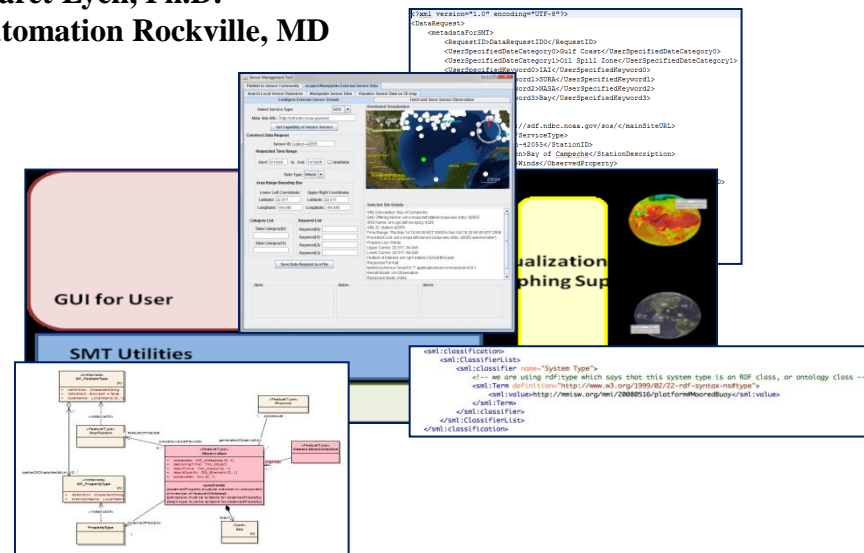


Identification and Significance of Innovation

The Sensor Management Tool (SMT) supports the individual researcher in finding, accessing, managing and utilizing sensor data, within an assumed Community context.

Expected TRL Range End Phase I Contract 3



Technical Objectives and Work Plan

Phase I Technical Objectives:

- 1: Develop the Meta-Model that Harmonizes the Disparate Formulations for Sensor and Sensor Observations
- 2: SMT Design and Development: Develop Wizards to Support the User in Utilizing the Sensor Management Tool
- 3: SMT Design and Development: Develop the Sensor Management Tool Infrastructure Utilities.
- 4: SMT Design and Development: Integration with Java World Wind.

NASA and Non-NASA Applications

NASA Applications

- Sensor Management Tool use in accessing and managing data for ocean studies (including Gulf of Mexico efforts),
- Sensor Management Tool use for managing data relevant to hurricane studies,
- Sensor Management Tool use for managing data from UAVs in NASA – led technology development for western region firefighting mission efforts,

Promising Non- NASA commercial applications are:

- Use of Sensor Management Tool with Emergency Incident Commander Views for FEMA applications,
- Use of Sensor Management Tool for accessing, retrieving and managing data for DoD Surveillance applications,
- Use of Sensor Management Tool regarding data related to agriculture monitoring or ecology monitoring (dept. Agriculture, various state agencies)

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NON-PROPRIETARY DATA